

CLAIMS

1. A liquid skin protective composition comprising the below-described ingredients (A) and (B) and having a water content not more than 10 wt.%:

(A) a block copolymer having a linear polysiloxane-polyoxyalkylene block as a structural unit and having an HLB not more than 6,

(B) at least one kind of oil selected from mineral oils, vegetable oils, animal oils, synthetic oils and organopolysiloxanes other than the ingredient (A).

2. The liquid skin protective composition of Claim 1, wherein the ingredient A is a block copolymer represented by the following formula (1):



(wherein, R represents a monovalent hydrocarbon group free of an aliphatic unsaturated group, A represents an alkylene group having from 2 to 4 carbon atoms, b stands for a number of from 4 to 100, b pieces of AO may be the same or different, c stands for a number of from 2 to 40, a stands for a number of from 4 to 100, and Y represents a divalent organic group bound to the adjacent silicon atom via a carbon-silicon bonded and to the polyoxyalkylene block via an oxygen atom).

3. The liquid skin protective composition of Claim 1

or 2, wherein the siloxane blocks each has an average molecular weight of from 500 to 10,000, the polyoxyalkylene blocks each has an average molecular weight of from 300 to 10,000, the siloxane blocks constitute from 10 to 90 wt.% of the copolymer, and the block copolymer has an average molecular weight of at least 3,000.

4. The liquid skin protective composition of any one of Claims 1 to 3, wherein the viscosity at 25°C is not more than 70 mPa·s.

5. The liquid skin protective composition of any one of Claims 1 to 4, wherein the ingredient (A) and the ingredient (B) are included at a (A)/(B) weight ratio of from 3/10 to 60/100.

6. The liquid skin protective composition of any one of Claims 1 to 5, wherein the content of the ingredient (A) is from 3 to 50 wt.%.

7. The liquid skin protective composition of any one of Claims 1 to 6, wherein the content of the ingredient (B) is not less than 10 wt.%.

8. The liquid skin protective composition of any one of Claims 1 to 7, wherein the ingredient (B) is at least one selected from liquid paraffin, liquid isoparaffin, methylcyclopolysiloxane and dimethylpolysiloxane.

9. The liquid skin protective composition of any one of Claims 1 to 8, wherein the ingredient (B) comprises (B-

1) an oil ingredient having a volatility of not less than 0.2 mg/cm²hr and (B-2) an oil ingredient having a volatility not more than 0.1 mg/cm²hr.

10. The liquid skin protective composition of Claim 9, wherein the ingredient (B-1) comprising two kinds of oil having a volatility not more than 0.1 mg/cm²hr and a mutual solubility not more than 10 wt.%.

11. A method of applying a liquid skin protective composition of Claim 1 by spraying.

12. A method of applying a liquid skin protective composition of Claim 1 by using a material impregnated with the composition.

13. Use of a liquid skin protective composition of Claim 1 to protect the skin.